

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

1652
#8
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7-1-03

Applicant: Vincent Fischetti et al.

Appl. No.: 09/960,472

Group Art Unit: 1652

Filing Date: September 21, 2001

Examiner: STEADMAN, DAVID J

Title: Bacterial Phage Associated Lysing Enzymes for the Prophylactic and
Therapeutic Treatment of Colonization and Infections Caused by
Streptococcus Pneumoniae

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56 and 37 CFR §1.97

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Commissioner for Patents
Washington, D.C. 20231

Sir:

Submitted herewith on Form PTO/SB/08A is a listing of documents known to applicants in order to comply with applicants' duty of disclosure pursuant to 37 C.F.R. §1.56 and §1.97. A copy of each of the listed documents is being submitted to comply with the provisions of 37 C.F.R. §1.97-1.99.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or is considered to be material to patentability as defined in 37 C.F.R. §1.56(b). Applicants do not waive any rights to take any action that would be appropriate to antedate or otherwise remove as a competent reference any document that is determined to be a *prima facie* prior art reference against the claims of the present application.

The instant Information Disclosure Statement is being filed in compliance with 37 CFR §1.97(b) prior to the mailing date of the first official action, therefore, no fee is required in connection with its filing. However, the Commissioner is hereby authorized to charge any deficiency or to credit any overpayment to Deposit Account No. 08-1641.

U.S. Serial No.: 09/960,472

In re Vincent Fischetti et al.

Attached as Appendix A is a list of all patents and applications filed by the present inventive entity relating to phage associated lytic enzymes and their uses. The listed U.S. patents are cited in the attached form SB/08A.

Attached herewith as Appendices 1-6 are copies of International Search Reports received in PCT applications corresponding to applications listed in Appendix A. For the Examiner's convenience, the cover sheet and claims for each of the PCT applications are also provided.

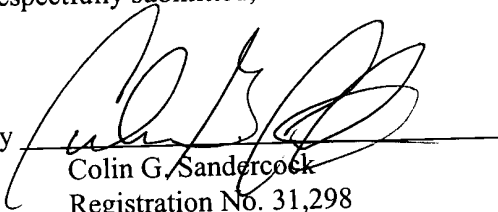
Applicants respectfully request that the listed documents be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08A be returned in accordance with M.P.E.P. §609.

Respectfully submitted,

Date: 6.10.03

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By


Colin G. Sandercock
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Appendix A

Serial No.	Filing Date	Patent No.	Issue Date
07/621,716	June 18, 1984	4,784,948	November 15, 1988
09/257,025	February 25, 1999	6,017,528	January 25, 2000
09/257,026	February 25, 1999	5,985,271	November 16, 1999
09/333,538	June 15, 1999		
09/395,636	September 14, 1999	6,056,954	May 2, 2000
09/395,637	September 14, 1999	6,056,955	May 2, 2000
09/482,992	January 14, 2000	6,264,945	July 24, 2001
09/497,495	April 18, 2000	6,238,661	May 29, 2001
09/560,650	April 28, 2000		
09/653,690	September 1, 2000	6,254,866	July 3, 2001
09/654,482	September 1, 2000	6,399,097	June 4, 2002
09/654,483	September 1, 2000	6,423,299	July 23, 2002
09/654,484	September 1, 2000		
09/671,878	September 28, 2000	6,432,444	August 13, 2002
09/671,879	September 28, 2000	6,248,324	June 19, 2001
09/671,880	September 28, 2000	6,406,692	June 18, 2002
09/671,881	September 28, 2000	6,428,784	August 6, 2002
09/671,882	September 28, 2000	6,277,399	August 21, 2001
09/671,990	September 28, 2000	6,326,002	December 4, 2001
09/671,991	September 28, 2000	6,399,098	June 4, 2002
09/671,992	September 28, 2000	6,335,012	January 1, 2002
09/703,164	November 2, 2000		
09/703,582	November 2, 2000		
09/703,583	November 2, 2000		
09/703,584	November 2, 2000		
09/703,585	November 2, 2000		
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09/703,588	November 2, 2000		
09/703,595	November 2, 2000		
09/703,656	November 2, 2000		
09/703,685	November 2, 2000		

Appendix A

Serial No.	Filing Date	Patent No.	Issue Date
09/703,686	November 2, 2000		
09/703,739	November 2, 2000		
09/703,740	November 2, 2000		
09/704,148	November 2, 2000		
09/704,149	November 2, 2000		
09/752,731	January 3, 2001		
09/844,435	April 30, 2001		
09/846,688	May 2, 2001		
09/866,106	May 25, 2001		
09/908,737	July 19, 2001		
09/910,940	July 13, 2001		
09/932,460	August 20, 2001		
09/960,472	September 21, 2001		
10/012,032	December 11, 2001		
10/067,979	February 8, 2002		
10/067,991	February 8, 2002		
10/067,995	February 8, 2002		
10/083,142	February 27, 2002		
10/083,462	February 27, 2002		
10/104,488	March 25, 2002		
10/105,075	March 25, 2002		
10/105,076	March 25, 2002		
10/135,824	May 1, 2002		
10/135,825	May 1, 2002		
10/135,826	May 1, 2002		
10/135,851	May 1, 2002		
10/145,604	May 14, 2002		
10/176,375	June 21, 2002		
10/176,376	June 21, 2002		
10/176,403	June 21, 2002		
10/176,405	June 21, 2002		
10/219,250	August 16, 2002		

Appendix A

Serial No.	Filing Date	Patent No.	Issue Date
10/219,251	August 16, 2002		
10/252,031	September 23, 2002		
60/324,089	September 24, 2001		
60/380,875	May 17, 2002		

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 11

Complete if Known

Application Number	09/960,472
Filing Date	09/21/01
First Named Inventor	Vincent Fischetti
Group Art Unit	1652
Examiner Name	David J. Steadman
Attorney Docket Number	

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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	1	US- 6056954	05/02/00	Fischetti, et al.	
	2	US- 5997862	12/07/99	Fischetti, et al.	
	3	US- 5985271	11/16/99	Fischetti, et al.	
	4	US- 5688501	11/18/97	Merril, et al.	
	5	US- 4742981	05/10/88	Converse	
	6	US- 2019789	11/05/35	Mahannah	
	7	US- 2763931	09/25/56	McMillan	
	8	US- 5479732	01/02/96	Burch, et al.	
	9	US- 3465445	09/09/69	Fisher	
	10	US- 2315260	03/30/43	Lancaster	
	11	US- 5604109	02/18/97	Fischetti, et al.	
	12	US- 5260292	11/09/93	Robinson, et al.	
	13	US- 4957686	09/18/90	Norris	
	14	US- 6017528	01/25/00	Fischetti, et al.	
	15	US- 6132970	10/17/00	Stemmer	
	16	US- 3852424	12/03/74	Gaeumann, et al.	
	17	US- 6264945	07/24/01	Fischetti, et al.	
	18	US- 6254866	07/03/01	Fischetti, et al.	
	19	US- 6248324	06/19/01	Fischetti, et al.	
	20	US- 6238661	05/29/01	Fischetti, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	21	EP-0510907 A 2	10/28/92	Agricultural & Food Res.		
	22	WO-9702351	01/23/97	CIBA Geigy AG, et al.		
	23	WO-9607329	03/14/96	Univ. Maryland		
	24	WO-9904809	02/04/99	Ambi, Inc.		
	25	FR-2357246	02/03/78	Martinez		
	26	WO-9531562	11/23/95	Quest International B.V.		
	27	EP-587541 A1	03/16/94	Tecnogen ScpA		

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Sheet	3	of	11
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		Number - Kind Code ² (if known)			
	52	US-4948726	08/14/90	Longoria	
	53	US- 4459361	07/10/84	Gefter	
	54	US- 4552839	11/12/85	Gould, et al.	
	55	US- 4313734	02/02/82	Leuivering	
	56	US- 4847199	07/11/89	Snyder, et al.	
	57	US- 4497900	02/05/85	Abram, et al.	
	58	US- 4707543	11/17/87	Zollinger, et al.	
	59	US- 5763251	06/09/98	Gasson	
	60	US- 6159688	12/12/00	Borchert, et al.	
	61	US- 4784948	11/15/88	Scott, et al.	
	62	US- 5760026	06/02/98	Blackburn, et al.	
	63	US- 5602040	02/11/97	May, et al.	
	64	US- 4521252	06/04/85	Miyake, et al.	
	65	US- 4355022	10/19/82	Rabussay	
	66	US- 4115546	09/19/78	Vidra, et al.	
	67	US- 4116327	09/26/78	Eglinton, et al.	
	68	US- 3929994	12/30/75	Hirsch, et al.	
	69	US- 6083684	07/04/00	Gasson	
	70	US- 5360617	11/01/94	Gasson	
	71	US- 5079174	01/07/92	Buck, et al.	

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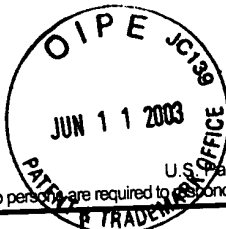
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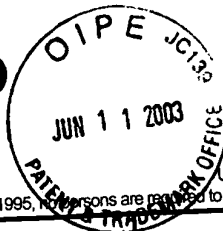
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	84	BABENKO et al. Enzymatic lysis of staphylococci in relation to their species and strain properties, 1990, Database Medline Online, US National Library of Medicine, Bethesda, MD, US, Database Accession No. 90297672 XP002170795, abstract only	
	85	BARTELL, et al., Origin of polysaccharide depolymerase associated with bacteriophage infection, Journal of Virology, March 1969, pp. 290-296, Vol. 3, No. 3	
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	89	BOIZET, et al., Cloning, expression and sequence analysis of an endolysin-encoding gene of Lactobacillus bulgaricus bacteriophage mv1, Gene, 2000, pp. 61-67, Vol. 94	
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	91	YOUNG et al. Phages will out: strategies of host cell lysis, Trends in Microbiology, Volume 8 No. 3, March 2000, pp 120-127	
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Application Number	09/960,472
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First Named Inventor	Vincent Fischetti
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Examiner Name	David J. Steadman
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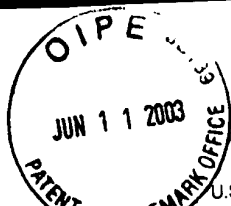
OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	95	DIAZ, et al., Chimeric pneumococcal cell wall lytic enzymes reveal important physiological and evolutionary traits, Journal of Biological Chemistry, March 25, 1991, pp. 5464-5471, Vol. 266, No. 9	
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Sheet 8 of 11

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Application Number	09/960,472
Filing Date	09/21/01
First Named Inventor	Vincent Fischetti
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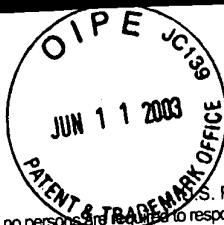
OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	106	HAYASHIDA, et al., Further characterization of PL-1 phage associated N-acetylmuramidase of Lactobacillus casei, Journal of General Microbiology, May 1987, pp. 1343-1349, Vol. 133, No. 5	
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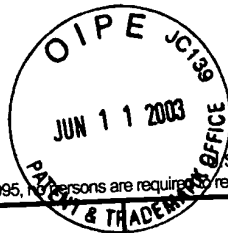
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Application Number	09/960,472
Filing Date	09/21/01
First Named Inventor	Vincent Fischetti
Group Art Unit	1652
Examiner Name	David J. Steadman
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First Named Inventor

Vincent Fischetti

Group Art Unit

1652

Examiner Name

David J. Steadman

Attorney Docket Number

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Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
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